

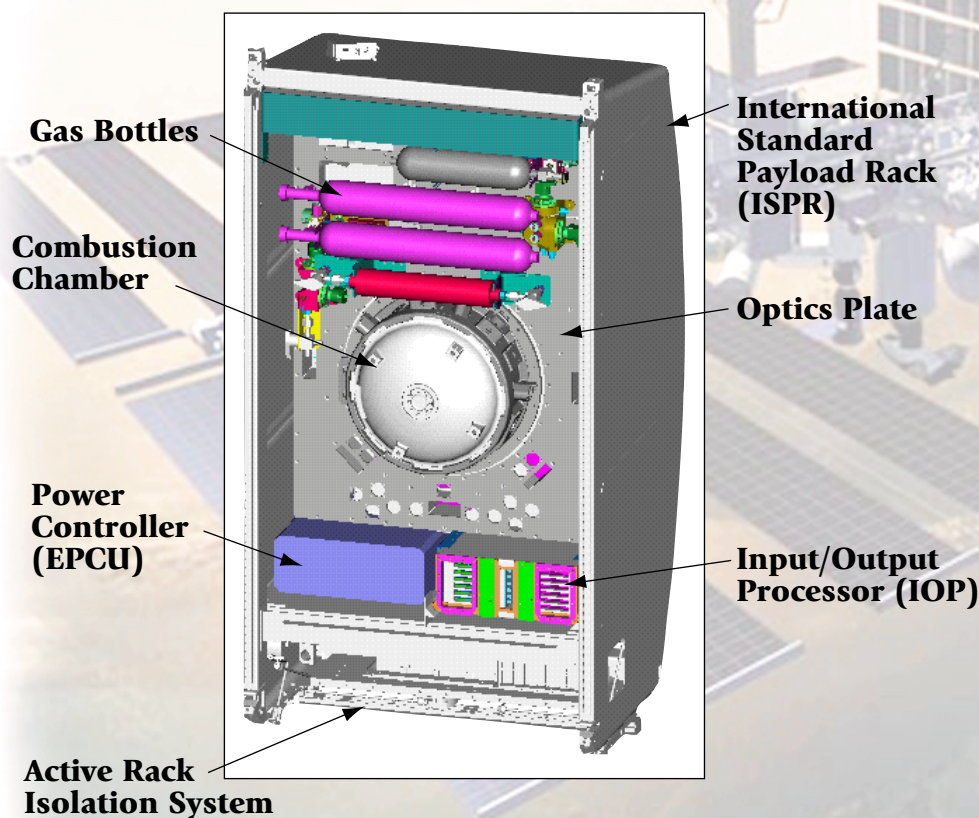


Glenn Research Center



Fluids and Combustion Facility Combustion Integrated Rack

Details



Primary Components:

- ◆ **International Standard Payload Rack**
 - Active Rack Isolation System
- ◆ **Combustion Chamber**
 - 80 L, 8 windows
 - PI-specific hardware interfaces
- ◆ **Optics Bench**
 - Holds chamber, diagnostics, gas supply
 - Access to both sides for changeouts
- ◆ **Gas Supply System and Vent**
 - Gas blending and delivery
 - Filters
- ◆ **Diagnostics**
 - Visible, IR, UV Cameras; illumination sources
 - Power, control, data acquisition for PI-provided diagnostics
 - Image processing and storage
- ◆ **Data Acquisition and Control**
 - 12 bit system
 - 48 analog input, 6 analog output
 - Data downlinking
- ◆ **Environmental Control**
 - Air and water cooling